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HOUSTON WASHINGTON, D.C. AUSTIN SAN ANTONIO DALLAS NEW YORK LOS ANGELES LONDON HONG KONG

March 21, 2001

FILE: ARCD:307USD1



Commissioner for Patents Washington, DC 20231

SN 09/768,877 "METHODS OF TREATMENT OF TYPE 2 DIABETES" - Kenneth S.

01 Date

Polonsky, et al.

Sir:

RE:

, Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement and Form PTO-1449.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No. 50-1212/10100104/GNS.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,

Gina N Shishima Reg. No. 45,104

GNS/mac

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Gina N. Shishima

PATEN

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kenneth S. Polonsky, et al.

Serial No.: 09/768,877

Filed: January 23, 2001

For: METHODS OF TREATMENT OF TYPE 2

DIABETES

Group Art Unit: 1655

Examiner: J. Enewold Goldberg

Atty. Dkt. No.: ARCD:307USD1/GNS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be OBOROS LELINED HOPPING a an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

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The present Information Disclosure Statement is being filed prior to the receipt of a first

Official Action reflecting an examination on the merits, and hence is believed to be timely filed

in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the

filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R.

§§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the

Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit

Account No. 50-1212/10100104/GNS.

This application is a divisional application of Serial No. 09/422,869, filed October 21,

1999, and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with

Rule 37 C.F.R. § 1.98(d) copies of the listed documents are not enclosed as they have been

previously cited by or submitted to the Patent and Trademark Office in prior application Serial

No. 09/422,869.

Applicants respectfully request that the listed documents be made of record in the present

case.

Respectfully submitted,

Gina N. Shishima

Reg. No. 40,104

Attorney for Applicants

Fulbright & Jaworski L.L.P. 600 Congress Ave., Suite 2400 Austin, Texas 78701 (512) 474-5201

Date: 3/2//01

Form	PTO-1	449	(modified)
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Atty. Docket No. ARCD:307USD1/GNS Serial No. 09/768,877

List of Patents and Publications for Applicant's

Applicant Kenneth S. Polonsky et al.

INFORMATION DISCLOSURE STATEMENT

Filing Date:

Group:

(Use several sheets if necessary)

January 23, 2001

1655

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U.S. Patents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	5,545,672	08/13/96	Knutson	514	603	07/08/94

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO 98/11254	3/19/98	PCT			
	B2	WO 96/09317	03/28/96	PCT			
	В3	WO 00/09709	02/24/00	PCT			

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	C1	Barnes and Hodgkin, "The tra-3 sex determination gene of Caenorhabditis elegans encodes a member of the calpain regulatory protease family," EMBO J., 15(17):4477-4484, 1996.
	C2	Barrett et al., "L-trans-epoxysuccinyl-leucylamido(4-guanidino)butane (E-64) and its analogues as inhibitors of cysteine proteinases including cathepsins B, H and L," Biochem J., 201:189-198, 1982.
	C3	Carafoli and Molinari, "Calpain: a protease in search of a function?", Biochem. Biophys. Res. Commun., 247:193-203, 1998.
	C4	Ciccarese <i>et al.</i> , "Preliminary data on a genome search in NIDDM siblings: the NIDDM 1 locus on chromosome 2 is not linked to NIDM in the Sardinian population", <i>Diabetologia</i> , 40:1366-1367, 1997.
-	C5	Dear et al., "A new subfamily of vertebrate calpains lacking a calmodulin-like domain: implications for calpain regulation and evolution", Genomics, 45:175-184, 1997.
	C6	Emori et al., "Endogenous inhibitor for calcium-dependent cysteine protease contains four internal repeats that could be responsible for its multiple reactive sites", Proc. Natl. Acad. Sci. USA 84:3590-3594, 1987.

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Atty. Docket No. ARCD:307USD1/GNS Serial No.

Applicant

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List of Patents and Publications for Applicant's

Kenneth S. Polonsky et al.

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	C7	Figueiredo-Pereira et al., "Comparison of the effect of calpain inhibitors on two extralysosomal proteinases: the multicatalytic proteinase complex and m-calpain", J Neurochem, 62:1989-94, 1994.
	C8	Flexner, "HIV-protease inhibitors," N. Engl. J. Med., 338:1281-1292, 1998.
	C9	Ghosh et al., "A large sample of Finnish diabetic sib-pairs reveals no evidence for a non-insulin-dependent diabetes mellitus susceptibility locus at 2qter", J. Clin. Invest., 102:704-709, 1998.
	C10	Hani et al., "Mapping NIDDM susceptibility loci in French families: studies with markers in the region of NIDDM1 on chromosome 2q," Diabetes, 46:1225-1226, 1997.
	C11	Hanis et al., "A genome-wide search for human non-insulin-dependent (type 2) diabetes genes reveals a major susceptibility locus on chromosome 2," <i>Nature Genet.</i> , 13:161-166, 1996.
	C12	Hashida et al., "Inhibitions by E-64 derivatives of rat liver cathepsin B and cathepsin L in vitro and in vivo," J. Biochem, 88:1805-1811, 1980.
	C13	Jackson et al., "Obesity and impaired prohormone processing associated with mutations in the human prohormone convertase 1 gene", Nature Genet., 16:303-306, 1997.
	C14	Mahtani et al., "Mapping of a gene for type 2 diabetes associated with an insulin secretion defect by a genome scan in Finnish families", Nature Genet., 14:90-94, 1996.
	C15	Naggert et al., "Hyperproinsulinaemia in obese fat/fat mice associated with a carboxypeptidase E mutation which reduces enzyme activity", Nature Genet., 10:135-141, 1995.
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	C17	Posmantur et al., "A calpain inhibitor attenuates cortical cytoskeletal protein loss after experimental traumatic brain injury in the rat", Neuroscience, 77:875-88, 1997.
	C18	Richard <i>et al.</i> , "Mutations in the proteolytic enzyme calpain 3 cause limb-girdle muscular dystrophy type 2A", <i>Cell</i> , 81:27-40, 1995.
	C19	Saido <i>et al.</i> , "Calpain: new perspectives in mollecular diversity and physiological-pathological involvement," <i>FASEB J.</i> , 8:814-822, 1994.
	C20	Smith et al., "The insulin-induced down-regulation of IRS-1 in 3T3-L1 adipocytes is mediated by a calcium-dependent thiol protease", Mol. Cell. Endocrinol., 122:81-92, 1996.

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List of Patents and Publications for Applicant's

Atty. Docket No. ARCD:307USD1/GNS Serial No. 09/768,877

Applicant

Kenneth S. Polonsky et al.

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	C21	Spielman and Ewens, "A sibship test for linkage in the presence of association: the sib transmission/disequilibrium test", Am. J. Hum. Genet., 62:450-458, 1998.
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	C24	Ueda et al., "Evidence for the participation of the proteasome and calpain in early phases of muscle cell differentiation", Int. J. Biochem. Cell Biol., 30:679-94, 1998.
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	C28	Braun et al., "Identification of a new calpain-like cDNA in mouse lung," Database EMBL 'Online!, XP002139084 Abstract
	C29	Braun et al., "Identification of a new calpain-like cDNA in mouse lung," Database EMBL 'Online!, XP002139083 Abstract
	C30	Cox et al., "Loci on chromosomes 2 (NIDDM1) and 15 interact to increase susceptibility to diabetes in Mexican Americans," Nature Genetics, 21:213-215, 1999.
	C31	Terada et al., "Delayed wallerian degeneration and increased neurofilament phosphorylation in sciatic nerves of rats with streptozocin-induced diabetes," J Neuro Sci., 155:23-30, 1998.
	C32	Wang and Yuen, "Calpain inhibition: an overview of its therapeutic potential," TIPS, 15:412-417, 1994.
	C33	Saido et al., "Calpain: new perspectives in molecular diversity and physiological-pathological involvement," FASEB, 8:814-822, 1994.

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			ARCD:307USD1/GNS	09/768,877	
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	C34	Carafoli et al., "Calpain: a protease in search of a function?," Biochem. Biophys. Res. Commun., 247:193-203, 1998.

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